## CLAIMS

**What is claimed is :**

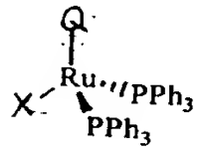
1. A process for preparing a chiral ester expressed in formula 100 by reacting;

a racemic alcohol of formula 4;

a ruthenium complex selected from the group consisting of compounds 1, 2, and 3 expressed in formulas 1, 2, and 3 to activate racemization of said racemic alcohol;

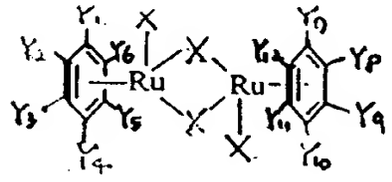
a lipase to acylate one enantiomer selectively from said racemic alcohol; and

an acyl donor compound to supply acyl group to said lipase,



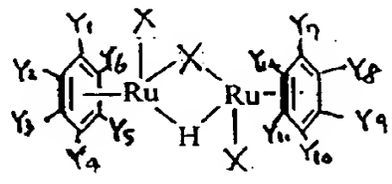
(1)

wherein Q is  or  ; and X is Br, Cl or I;



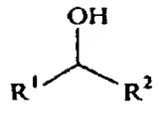
(2)

wherein $Y_1$, $Y_2$, $Y_3$, $Y_4$, $Y_5$, $Y_6$, $Y_7$, $Y_8$, $Y_9$, $Y_{10}$, $Y_{11}$, and $Y_{12}$ are independently a hydrogen atom or $C_1$-$C_5$ alkyl group; and X is Br, Cl or I;



(3)

wherein $Y_1$, $Y_2$, $Y_3$, $Y_4$, $Y_5$, $Y_6$, $Y_7$, $Y_8$, $Y_9$, $Y_{10}$, $Y_{11}$, and $Y_{12}$ are independently a hydrogen atom or $C_1$-$C_5$ alkyl group; and X is Br, Cl or I; and



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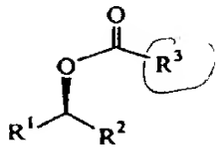
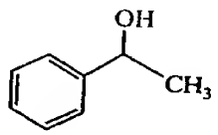


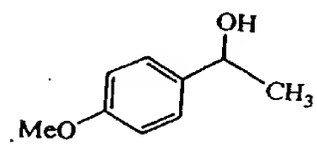
(100)

wherein $R^1$, $R^2$ and $R^3$ are, independently, optionally substituted alkyl, optionally substituted aryl or optionally substituted cycloalkyl group and $R^1$ and $R^2$, $R^1$ and $R^3$, and $R^2$ and $R^3$ can be cyclized each other, where said substituent of alkyl, aryl and cycloalkyl is a hetero atom such as a halogen atom and a cyano group.

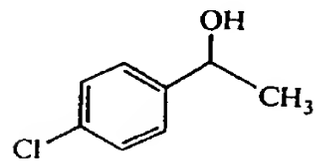
2. The process for preparing a chiral ester according to claim 1, wherein said racemic alcohol is selected from the group consisting of the compounds 4a, 4b, 4c, 4d, 4e and 4f.



(4a)



(4b)



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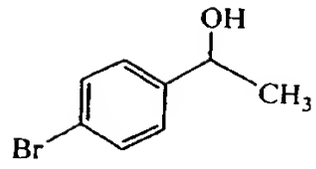
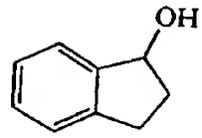
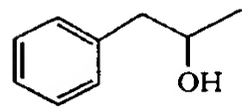



(4d)



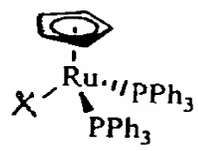

(4e)




(4f)

3. The process for preparing a chiral ester according to claim 1, wherein said lipase is selected from the group consisting of *Pseudomonas cepacias* lipase and *Candida antarctica* lipase.

4. The process for preparing a chiral ester according to claim 1, wherein said ruthenium complex is selected from the group consisting of compounds 5, 6, 7, 8, 9, 10, 11 and 12,

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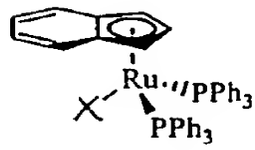


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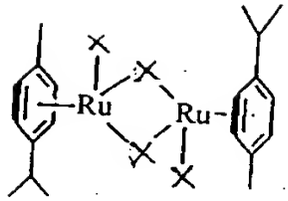

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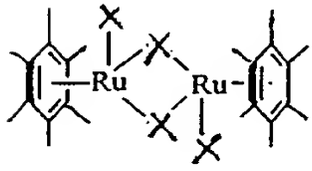

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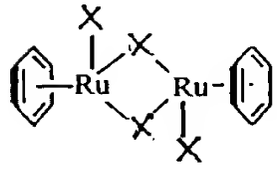

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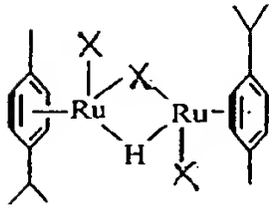

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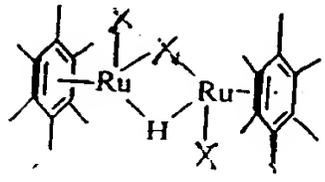

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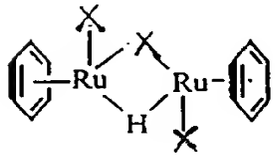

(12)

wherein X is Cl, Br or I, the most preferably Cl.

5. The process for preparing a chiral ester according to claim 3, wherein X is Cl.

6. The process for preparing a chiral ester according to claim 1, wherein said reaction requires use of oxygen gas.

7. The process for preparing a chiral ester according to claim 1, wherein a content of said ruthenium complex or its derivatives is in the range of 0.1 to 5mol% to said racemic alcohol.

8. The process for preparing a chiral ester according to claim 1, wherein said acyl donor compound is aryl ester.

9. The process for preparing a chiral ester according to claim 7, wherein said aryl ester is selected from the group consisting of *p*-chlorophenyl acetate and alkenyl acetate.